FEM/BDC
1. Copy key with key
2. Copy key without key
CG-DI
Open the car door, OBD connects the vehicle and equipment, the vehicle maintains voltage above 12v, do not turn off the computer screen during operation.
Select "FEM/BDC key match" and click enter
Connect successfully, maintain enough voltage, click "yes"
Need to disassemble the module, read EEPROM data, FEM is 95128
FEM module installation location
Use CG-100 to read out 95128 IC data and save the data
Remove the 95128 chip, wash it, and clip it to the ATMEGA adapter
Open the CG-100 to read the data and save it
Go back to cg-di and load the data.
Load successfully, save the new data generated by the system.
Write back new data with cg-100, weld back to module, and click next
Waiting for programming
After programming, write back 95128 original data, put FEM into the car again, and click "next".
Use CG-100 to write back 95128 original data
Please remove the FEM/BDC, and then use the programmer to write the original car EEPROM data back to 95XXX EEPROM chip and FEM/BDC back into the car, then click "Next".
Set code successfully, customers can do any operation.
Copy key with key
choose the unused key, and click "generate the dealer key"
FEM/BDC key matching need to enter engine ISN, please select the way of input ISN code

- Read Working Key
- With the engine data, the next step is to load the engine data
- Manually input known ISN

Read working key, click Next
Keep the original car key near the key sensor area below the steering wheel.

Password: 81E627FE72056F4990CAC4E8977A3450
ISN: 92118CBB8309E7A22AA2280D832125AF
Key Sync Code: 3D5A8A0419D4BFCE
DME ISN: AF4B06BF9ADD586917F8A2099AF59A64

Read successfully and display information.
Keep the new key near the key sensor area below the steering wheel
The new key matched successfully.
Copy key without key
Using CG – 100
Read the engine data
Click to enter "ECU"
Click on the engine model option to enter the current vehicle.

<table>
<thead>
<tr>
<th>Engine Model</th>
<th>Engine Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMW 320 (3 or 5 series)</td>
<td>ME1745 (N45)</td>
</tr>
<tr>
<td>BMW X1</td>
<td>MEVD17 (N55)</td>
</tr>
<tr>
<td>DDE701_EDC17C50</td>
<td>MEVD1724 (N20)</td>
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<td>DDE70_EDC17C06</td>
<td>MEVD1726 (N55)</td>
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<td>DDE71_EDC17CP02</td>
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<td>MV1746 (N46)</td>
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<td>DDE731_EDC17CP45</td>
<td>MVS946 (N46)</td>
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<tr>
<td>DDE73_EDC17CP09</td>
<td></td>
</tr>
</tbody>
</table>
According to the software physical wiring diagram wiring
Physical connection
Click read EEPROM
Read successfully and save the data
Show ISN and VIN
Return to cg-di, select unused key bits, and click "generate dealer keys"
Click on the next item that you select and click next (Manually input known ISN)
Check the information and click ok
Keep the new key near the key sensor area below the steering wheel.
New key programming success